6 May 2003

SAFETY ALERT
Fire Hazard
M1114 Electrical Bus Bar

FINDINGS

During the installation of some communications packages in some M1114s, there was an addition of an electrical bus bar installed under the radio mounts. This configuration has resulted in electrical short circuits that have caused at least one fire. Fuses were not installed between the 24-volt power supply and the bus bar, allowing maximum current flow when terminals were inadvertently short circuited.

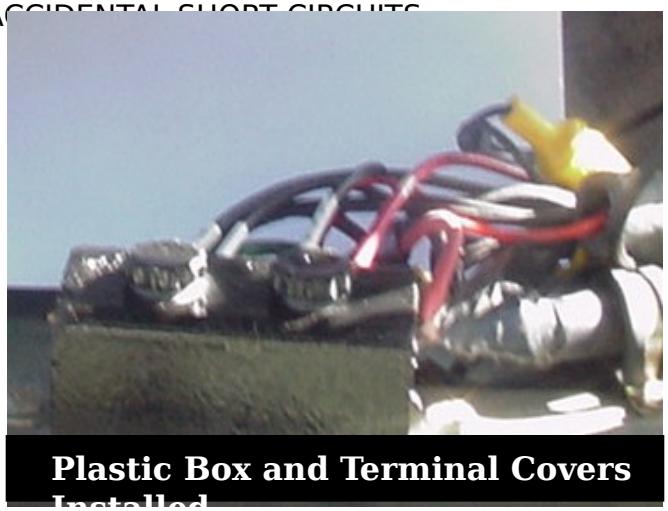
RECOMMENDED CONTROL MEASURES

- TREAT THE BUS BAR AS AN OPEN BATTERY BOX.
- DO NOT STORE PAPERS OR EQUIPMENT ON THE BUS BAR OR UNDER RADIO MOUNT.
- DO NOT STEP ON OR KICK THE BUS BAR WHEN MOUNTING OR DISMOUNTING STATION.

INTERIM SOLUTION

- COVER BUS BAR AND EXPOSED WIRE ENDS WITH RTV SEALANT AS SHOWN BELOW.
- ENCLOSE ALL WIRES ROUTED FROM BUS BAR TO POWER SUPPLY IN FLEXIBLE PLASTIC CONDUIT TO PREVENT WIRES FROM RUBBING ON FLOOR AND VEHICLE FRAME.
- COVER ENDS OF UNUSED WIRES CONNECTED TO BATTERY WITH ELECTRICAL TAPE OR OTHER SUITABLE METHOD TO PREVENT ACCIDENTAL SHORT CIRCUITS.

Bus Bar with RTV Surrounding



Plastic Box and Terminal Covers Installed